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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/674,879	09/29/2003	Philippe Wiczorek	B-5243 621287-5	9202
22879	7590	12/13/2007		
HEWLETT PACKARD COMPANY P O BOX 272400, 3404 E. HARMONY ROAD INTELLECTUAL PROPERTY ADMINISTRATION FORT COLLINS, CO 80527-2400			EXAMINER ANYA, CHARLES E	
			ART UNIT 2194	PAPER NUMBER
			NOTIFICATION DATE 12/13/2007	DELIVERY MODE ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

JERRY.SHORMA@HP.COM  
mkraft@hp.com  
ipa.mail@hp.com

**Office Action Summary**

Application No.

10/674,879

Applicant(s)

WIECZOREK ET AL.

Examiner

Charles E. Anya

Art Unit

2194

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3/MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 15 October 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 12, 13, 18 and 28 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 12, 13, 18 and 28 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.

- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_.

  
WILLIAM THOMSON  
SUPERVISORY PATENT EXAMINER

### **DETAILED ACTION**

1. Claims 12,13,18 and 28 are pending in this application.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. **Claims 18 and 28 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Pub. No. 2000099970 A1 to Zhao et al.**

3. As to claim 18, Zhao teaches an intermediate registry server (cluster) comprising means to receive a request from a client computer for access data associated with an object accessible via an object server (“...invoke a cluster...” page 1 paragraph 0012, “...binding...binding interceptor...bind method...” page 3 paragraphs 0034-0036); means to receive the access data from object server , and, in response to the request, means to request the access data from first and second object registries storing the access data (“...failover...” page 2 paragraph 0033, “...provide failover...” page 1 paragraph 0013, “...alternative server...” page 3 paragraphs 0035/0036); and means to

respond to the request by forwarding the access data returned from at least one of the first and second object registries to said client computer ("...forwarding a selected object reference to a client..." page 1 paragraph 0013, "...return..." page 3 paragraph 0035/0036, figures 5/6 page 3 paragraphs 0040/0041).

4. As to claim 28, Zhao teaches a method for remote object invocation from a first environment of a remote object hosted by or accessible by a second environment comprising the steps of: receiving at least a first request for access data from a client computer ("...client machine invokes..." page 1 paragraph 0012, page 3 paragraph 0034); mapping the first request for access data for a remote object to a first remote object registry hosted by first server operating in active mode (page 1 paragraphs 0012/0013, "...binding...binding interceptor...bind method..." page 3 paragraphs 0034-0036); supplying, from the an object server, the access data to the first object registry (figure 5); reflecting data associated with the first remote object server to the second remote object server/migrating address data associated with the first remote object server to the second remote object server ("...stale object reference...", "...failover..." page 3 paragraphs 0036/0040); directing the access request, from the first remote object server to the second remote object server in event of a fault associated with the first server ("...failover..." page 3 paragraphs 0036/0040); receiving the access data from at least one of the first and second remote object registries ("...return..." page 3 paragraph 0035/0036, figures 5/6 page 3 paragraphs 0040/0041, page 1 paragraphs

0012/0013) and invoking the method of the remote object via the environment

("...communicate..." page 1 paragraphs 0012/0013).

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

**5. Claims 12 and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Pat. No. 6,928,457 B2 to Jacobs et al. in view of U.S. Pat. No. 6,049,825 to Yamamoto et al.**

6. As to claim 12, Jacobs teaches a data processing system, comprising: an object server to provide access to a remote object ("...RMI object..." 10 Ln. 29 – 67); a first object registry for publishing first access data for locating and accessing the remote object via the object server ("...name tree..." Col. 5 Ln. 7 – 10, "...JNDI-compliant naming service..." / Server 302 Col. 14 Ln. 23 – 47); a second registry for publishing second access data for locating and accessing the remote object via the object server ("...duplicate..." Col. 5 Ln. 7 – 10, "...replicated naming service..." / Server 303 Col. 14 Ln 23 – 47); and client hosting a client application requiring access to the remote object (Client 304 Col. 14 Ln. 48 – 67); the client application being arranged to issue a request

to receive access data for locating and accessing the remote object (“...stub...” Col. 14 Ln. 48 – 57), the first and second object registries are hosted by first and second servers respectively that are operated in active and stand-by modes so that the request for access data is processed by the first server (“...duplicate...” Col. 5 Ln. 7 – 10, “...replicated naming service...”/Server 303 Col. 14 Ln 23 – 47); the first and second servers comprising means to carrying the request from the first server to the second server in the event of a fault associated with the first server such that the second server services subsequent requests for access data (Communication Medium 310 Col. 7 Ln. 54 – 67, Col. 8 Ln. 10 – 23, “...name tree...” Col. 5 Ln. 7 – 10, “...JNDI-compliant naming service...”/ Server 302 Col. 14 Ln. 23 – 47“...duplicate...” Col. 5 Ln. 7 – 10, Ln. 34 – 36, “...replicated naming service...”/Server 303 Col. 14 Ln 23 – 47); the object server being arranged to supply the access data to the first object registry (“...name tree...” Col. 5 Ln. 7 – 10, “...JNDI-compliant naming service...”/ Server 302 Col. 14 Ln. 23 – 47).

Jacobs is silent with reference to the first and second servers comprising means to migrate IP address and/or socket for carrying the request from the first server to the second server in the event of a fault associated with the first server such that the second server services subsequent requests.

Yamamoto teaches the first and second servers comprising means to migrate IP address and/or socket for carrying the request from the first server to the second server in the event of a fault associated with the first server such that the second server

services subsequent requests (“... fault of the first network adapter has been detected...” Col. 5 Ln. 16 – 24, Ln. 46 – 65).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the system of Jacobs with the teaching of Yamamoto because the teaching of Yamamoto would improve the system of Jacobs by allowing for automatic switching between duplicated network interface adapters to achieve quick recovery from failure without disrupting ongoing host-to-host communications based on the Transmission Control Protocol/Internet Protocol (TCP/IP) (Yamamoto Col. 1 Ln. 12 – 17).

7. As to claim 13, Jacobs teaches a data processing system as claimed in claim 12, in which the published access data is supplied to the first server and mirrored to the second server (Col. 5 Ln. 7 – 10, “...add RA stub...” Col. 14 Ln. 31 – 33).

### ***Response to Arguments***

Applicant's arguments with respect to claims 12,13,18 and 28 have been considered but are moot in view of the new ground(s) of rejection.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charles E. Anya whose telephone number is (571) 272-3757. The examiner can normally be reached on M-F (8:30-5:00).

Application/Control Number:  
10/674,879  
Art Unit: 2194

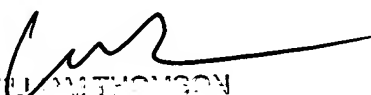
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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Thomson can be reached on (571) 272-3718. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Charles E Anya  
Examiner  
Art Unit 2194

cea.

  
WILLIAM THOMSON  
SUPERVISORY PATENT EXAMINER